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(57) **Abstract:** The present invention is in the fields of biotechnology, protein purification and crystallization, x-ray diffraction analysis, three-dimensional computer molecular modelling and rational drug design. The invention is directed to the Liver X receptor and ligands for this receptor, and in particular to crystalline Liver X receptor beta (LXRβ) and to methods of identifying ligands utilizing LXRβ, as well as to compounds, compositions and methods for selecting, making, and using therapeutic or diagnostic agents having LXRβ modulating or binding activity.

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